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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/673,004 09/26/2003 Kazushi Ogawa 09792909-5701 9748 26263 7590 03/24/2005 **EXAMINER** SONNENSCHEIN NATH & ROSENTHAL LLP RENNER, CRAIG A P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER ART UNIT PAPER NUMBER CHICAGO, IL 60606-1080 2652

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/673,004	OGAWA ET AL.
	Examiner	Art Unit
	Craig A. Renner	2652
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).		
Status		
1) Responsive to communication(s) filed on		
2a) This action is FINAL . 2b) This	action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is		
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims	•	
4)⊠ Claim(s) <u>1-8</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdrawn from consideration.		
5)⊠ Claim(s) <u>1-8</u> is/are allowed.		
6) Claim(s) is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	election requirement.	
Application Papers		
9)⊠ The specification is objected to by the Examine	г.	
10)⊠ The drawing(s) filed on <u>26 Se<i>ptember</i> 2003</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).		
11) $oxed{oxed}$ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.		
Priority under 35 U.S.C. § 119		
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)☐ Some * c)☐ None of:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this National Stage		
application from the International Bureau (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list of the certified copies not received.		
Attachment(s)		·
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da	ate atent Application (PTO-152)
Paper No(s)/Mail Date	6) Other:	

DETAILED ACTION

This application is in **condition for allowance** except for the following formal matters:

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Oath/Declaration

2. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because it does not identify the foreign application for patent or inventor's certificate on which priority is claimed pursuant to 37 CFR 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application number, country, day, month and year of its filing (emphasis added by examiner). Specifically, the filing date of the foreign priority document is after that of the present application. The oath or declaration should be corrected to list a foreign priority document that has a filing date before that of the present application, or correct the presently claimed foreign application to have a filing date before that of the present application (emphasis added by examiner).

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Drawings

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3. The drawings are objected to because of the following informalities:

- a. The drawings fail to comply with 37 CFR 1.84(p)(5) because they include one or more reference signs not mentioned in the description. Note, for instance, "14a" (shown in FIG. 2, for instance) and "15a" (shown in FIG. 2, for instance).
- b. FIGS.14A, 14B, and 19-23 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g):
- c. In FIG. 20, reference sign "G" should be changed to --G'-- in order to be consistent with the remainder of the disclosure.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) and potentially an amendment to the specification in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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Specification

4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

- 5. The disclosure is objected to because of the following informalities:
- a. In line 8 on page 1, the year of the priority document should be corrected from "2003" to -2002--.
- b. In lines 8-9 of claim 5, "said bottom magnetic core layer" should be changed to --said lower magnetic core layer--- in order to more clearly refer back to that set forth in lines 6-7 of claim 5.

Appropriate correction is required.

6. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

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Claim Rejections/Considerations - 35 USC § 103

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7. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Pertinent Prior Art

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. This includes Yamada et al. (US 4,799,118), Ramaswamy (US 4,970,616), Ju et al. (US 5,285,340), Yoda et al. (US 5,633,771), Schemmel (US 5'639,509), Akiyama et al. (US 5,801,908), Sato et al. (US 5,949,625), Chang et al. (US 6,069,775), Hungerford et al. (US 6,362,934), Miyazaki et al. (US 2001/0017751), Kim et al. (US 2002/0063992), Kubota (JP 04-103009), and Yagyu (JP 10-261207), which each individually teaches inductive thin film magnetic head with a protrusion of a lower magnetic core layer having an inclined side surface inclined at an angle at least on one side in a direction of a track width thereof, and at least one edge of a side adjacent to a magnetic gap of a protrusion of an upper magnetic core layer is aligned on a line drawn extending from the inclined side surface of the protrusion on the lower magnetic core layer.

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Allowable Subject Matter

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9. Claims 1-8 are allowable over the prior art of record. The prior art of record does not teach nor suggest the inductive thin film magnetic head as claimed, wherein a magnetic gap is disposed on a medium facing plane slantingly relative to a direction orthogonal to a scanning direction of the head corresponding to an azimuth angle, an upper magnetic core layer is disposed on a leading side in the scanning direction of the head, preceding a lower magnetic core layer, with a protrusion of the lower magnetic core layer having an inclined side surface inclined at an angle equal to or greater than the azimuth angle at least on one side in a direction of a track width thereof, and at least one edge of a side adjacent to the magnetic gap of a protrusion of the upper magnetic core layer is aligned on a line drawn extending from the inclined side surface of the protrusion on the lower magnetic core layer.

Conclusion

10. Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig A. Renner whose telephone number is (571) 272-7580. The examiner can normally be reached on Tuesday-Friday 9:00 AM - 7:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Craig A. Renner Primary Examiner Art Unit 2652

CAR